IS&T Mini Symposium on Neural Computation

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and Technology
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"Brain-Inspired Computing"

Wednesday, April 13, 2011
1:00 - 2:00 PM
TA-3, Bldg. 1690, Room 102 (CNLS Conference Room)

Abstract: Convergent advances in neural modeling, neuroinformatics, neuromorphic engineering, materials science, and computer science will soon enable the manufacturing and study of novel computer architectures that will not only help overcome Moore's law imminent failure for conventional von Neumann architectures, but will also open the door to large-scale neural modeling research and applications. This talk focuses on whole-brain systems models scalable to biological levels. These models promise to advance our understanding of how simulated and robotic agents with whole-brain systems learn to interact with their environment, and to create innovative technological applications that will have disruptive impacts on general-purpose computing and mobile robotics.

References
http://cns.bu.edu/nl/ <http://cns.bu.edu/nl/>

Biography: Massimiliano Versace (PhD, Cognitive and Neural Systems, Boston University, 2007) is a Senior Research Scientist at the Department of Cognitive and Neural Systems at Boston University, Director of Neuromorphics Lab <http://cns.bu.edu/nl/> , and co-Director of Technology Outreach at the NSF Science of Learning Center CELEST <http://celest.bu.edu/> : Center of Excellence for Learning in Education, Science, and Technology. He is a co-PI of the Boston University subcontract with Hewlett Packard in the DARPA Systems of Neuromorphic Adaptive Plastic Scalable Electronics (SyNAPSE) project.

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